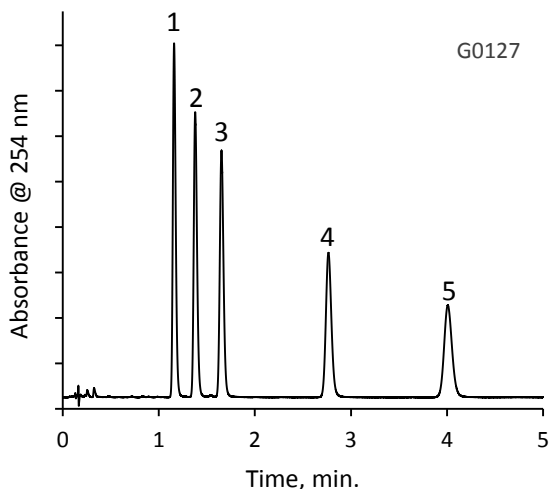


Application Note: 139-STR

## Separation of Anabolic Steroids on HALO 2 C18



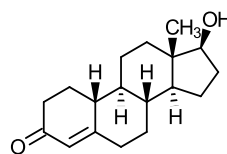
### PEAK IDENTITIES:

1. Nandrolone
2. Methandienone
3. Testosterone
4. Epitestosterone
5. Norethandrolone

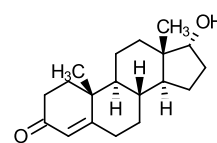
### TEST CONDITIONS:

Column: HALO 2 C18, 2.1 x 50 mm, 2 µm  
 Part Number: 91812-402  
 Mobile Phase: 70/30 water/acetonitrile  
 Flow Rate: 0.8 mL/min.  
 Pressure: 476 bar  
 Temperature: 40°C  
 Injection Volume: 2 µL  
 Sample Solvent: 37.5/62.5 water/organic solvent  
 (acetonitrile, methanol, and 1,2-dimethoxyethane)  
 Detection: UV 254 nm, PDA  
 Data Rate: 80 Hz  
 Response Time: 0.02 sec.  
 Flow Cell: 2 µL micro cell  
 LC System: Agilent 1200 SL

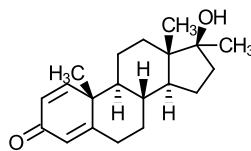
### STRUCTURES:



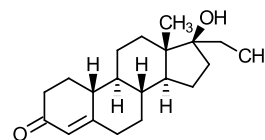
Nandrolone



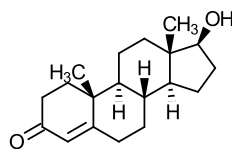
Epitestosterone



Methandienone



Norethandrolone



Testosterone

Screening for steroid use is common in both sports and medicine. These five anabolic steroids are separated in less than 5 minutes using a 2-micron HALO 2 C18 column.